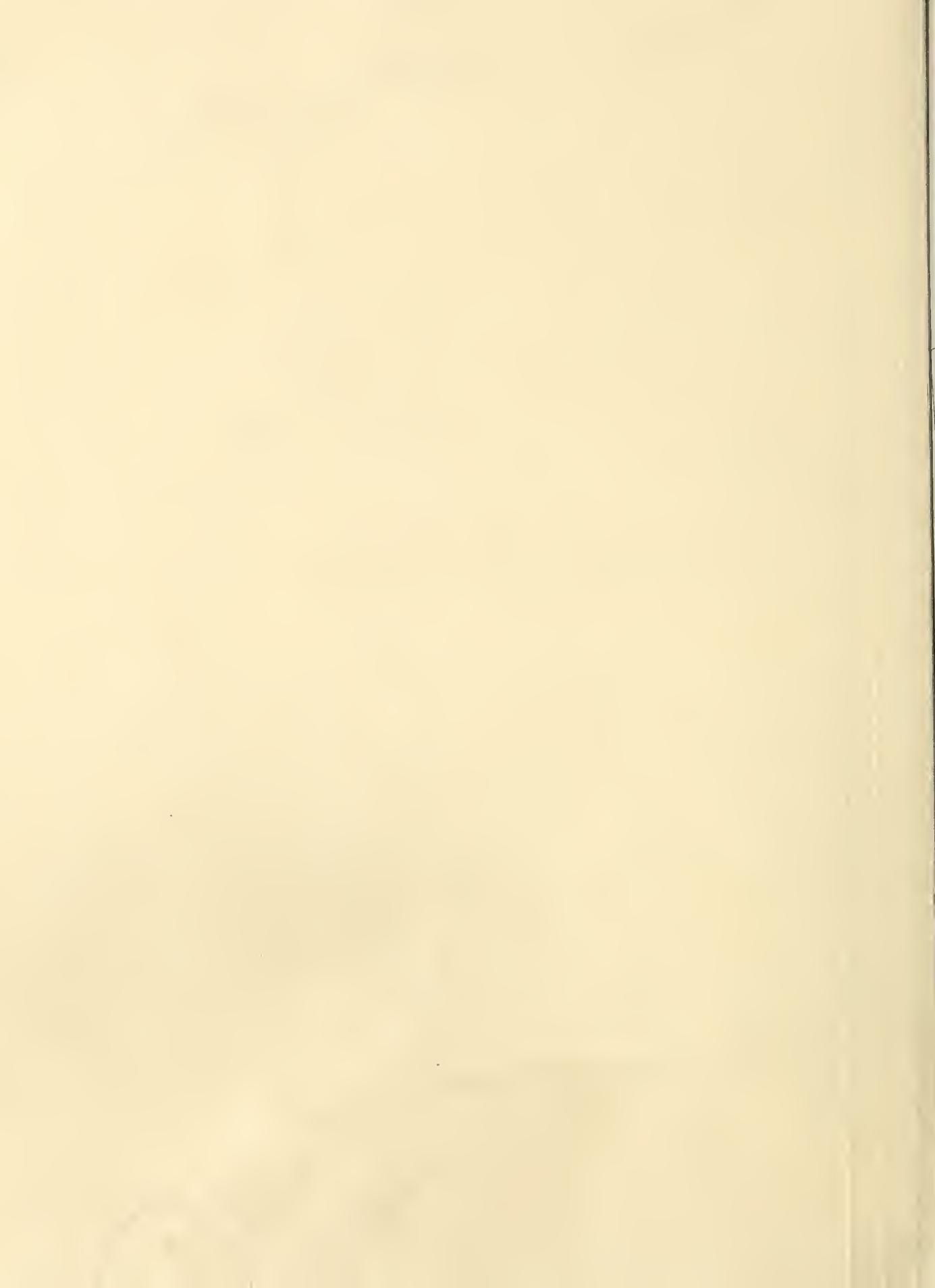


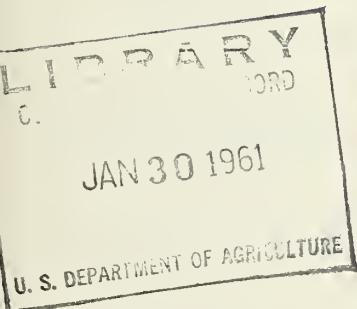
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UNITED STATES DEPARTMENT OF AGRICULTURE  
AGRICULTURAL RESEARCH SERVICE

X Tables on Hatchery and Flock Participation in the  
National Poultry Improvement Plan  
By States and Divisions, 1958-59 and 1959-60 and  
U. S. Summary, 1954-55 to date X



### HIGHLIGHTS

Pullorum-typoid infection, as measured by the percentage of reactors on the first test of birds to be used as breeders, reached a new low of .018 percent.

The proportion of hatching egg capacity qualifying as U. S. Pullorum-Typhoid Clean has increased steadily during the past five years, from 70.4 percent in 1954-55 to 93.6 percent last year. Similarly, during the same period the percentage of birds in U. S. Pullorum-Typhoid Clean flocks increased from 80.4 to 96.8.

The average egg capacity of participating hatcheries, about 165,000 in 1959-60 as compared to 148,000 the previous year, is consistent with the trend toward fewer and larger hatcheries. Total egg capacity of participating hatcheries declined from 401.6 million the previous year to 375.6 million.

The average number of birds in hatchery supply flocks, 980 in 1959-60, has more than doubled during the past five years. During the same period, the total number of birds in participating flocks has varied only from a low of 34.8 million in 1955-56 to a high of 39.9 million in 1958-59.

Table 1 - Hatchery Participation in the National Poultry Improvement Plan,  
by States and Divisions, 1958-59 and 1959-60

State and Division	1958-59		1959-60	
	Number	Egg Capacity	Number	Egg Capacity
Maine	25	7,663,798	21	6,893,118
New Hampshire	23	3,901,300	16	3,639,000
Vermont	8	242,080	8	220,080
Massachusetts	59	4,252,992	40	3,783,120
Rhode Island	7	344,616	6	341,280
Connecticut	69	8,469,175	61	8,618,875
New York	53	5,454,960	40	5,469,920
New Jersey	58	10,624,590	51	8,794,990
Pennsylvania	78	13,696,258	75	13,801,780
NORTH ATLANTIC	380	54,649,769	318	51,562,163
Ohio	122	13,719,153	101	11,879,180
Indiana	189	26,167,000	183	24,991,000
Illinois	150	18,018,335	133	17,102,278
Michigan	63	5,434,627	57	4,692,995
Wisconsin	51	5,013,760	41	5,017,720
EAST NORTH CENTRAL	575	68,352,875	515	63,683,133
Minnesota	261	24,575,886	143	17,349,176
Iowa	125	15,583,080	108	13,950,400
Missouri	122	23,387,812	115	22,650,020
North Dakota	33	2,206,986	15	1,519,651
South Dakota	51	4,956,560	46	4,731,240
Nebraska	55	6,024,271	47	4,657,773
Kansas	89	6,348,504	83	6,078,010
WEST NORTH CENTRAL	736	83,083,099	557	70,946,270
Delaware	19	10,363,500	16	9,590,000
Maryland	44	14,198,340	30	15,335,720
Virginia	62	13,930,930	45	11,342,590
West Virginia	18	2,202,876	14	1,914,800
North Carolina	134	20,518,815	120	20,982,487
South Carolina	27	3,293,200	22	3,435,700
Georgia	158	39,298,436	147	40,874,552
Florida	44	5,178,015	37	5,313,884
SOUTH ATLANTIC	506	108,984,112	431	108,789,733
Kentucky	56	4,905,080	48	4,763,700
Tennessee	39	4,772,440	33	4,289,440
Alabama	68	15,797,329	56	13,144,877
Mississippi	61	15,372,218	58	15,544,666
Arkansas	59	14,542,843	55	14,666,042
Louisiana	11	1,367,340	7	1,072,000
Oklahoma	36	5,028,080	31	4,681,460
Texas	31	6,062,520	24	4,284,520
SOUTH CENTRAL	361	67,847,850	312	62,436,705
Montana	12	903,300	12	911,300
Idaho	22	1,328,330	19	1,246,460
Wyoming	2	95,000	2	95,000
Colorado	13	1,433,000	12	1,201,000
New Mexico	1	50,000	1	50,000
Arizona	6	290,000	5	398,000
Utah	7	833,000	10	1,063,000
Washington	29	4,084,770	29	4,339,380
Oregon	35	3,278,200	31	3,092,600
California	32	6,425,736	26	5,774,960
WESTERN	159	18,721,336	147	18,171,700
UNITED STATES	2,717	401,639,041	2,280	375,589,704

Information in this report was compiled by the Animal Husbandry Research Division,  
Agricultural Research Service.

**Table 2 - Flock Participation in the National Poultry Improvement Plan,  
by States and Divisions, 1958-59 and 1959-60**

State and Division	1958-59			1959-60		
	Flocks	Birds	Avg. birds per flock	Flocks	Birds	Avg. Birds per flock
Maine	859	2,232,211	2,599	520	1,732,549	3,332
New Hampshire	158	1,006,216	6,368	159	665,893	4,188
Vermont	90	204,513	2,272	105	200,874	1,913
Massachusetts	197	717,955	3,644	146	510,489	3,497
Rhode Island	34	46,482	1,367	36	30,050	835
Connecticut	122	739,027	6,058	139	616,653	4,436
New York	147	503,947	3,428	154	495,124	3,215
New Jersey	250	675,387	2,702	165	527,358	3,196
Pennsylvania	1,058	1,462,781	1,383	914	1,437,016	1,572
<b>NORTH ATLANTIC</b>	<b>2,915</b>	<b>7,588,519</b>	<b>2,603</b>	<b>2,338</b>	<b>6,216,006</b>	<b>2,659</b>
Ohio	2,648	1,101,078	416	1,903	825,927	434
Indiana	5,726	2,498,648	436	4,646	2,615,551	563
Illinois	4,150	1,360,381	328	2,709	1,064,705	393
Michigan	644	418,847	650	411	308,609	751
Wisconsin	962	493,705	513	729	390,046	535
<b>EAST NORTH CENTRAL</b>	<b>14,130</b>	<b>5,872,659</b>	<b>416</b>	<b>10,398</b>	<b>5,204,833</b>	<b>501</b>
Minnesota	2,884	1,816,396	630	1,623	1,276,269	786
Iowa	3,997	1,605,282	402	2,685	1,304,683	486
Missouri	7,173	2,187,639	305	6,069	2,106,902	347
North Dakota	537	142,310	265	443	122,244	276
South Dakota	670	256,565	383	525	245,157	467
Nebraska	1,186	488,306	412	794	367,536	463
Kansas	1,772	537,928	304	1,061	398,351	375
<b>WEST NORTH CENTRAL</b>	<b>18,219</b>	<b>7,034,426</b>	<b>386</b>	<b>13,200</b>	<b>5,821,142</b>	<b>441</b>
Delaware	201	461,348	2,295	273	533,489	1,954
Maryland	580	347,932	597	414	278,003	672
Virginia	1,351	1,210,289	896	1,032	1,058,519	1,026
West Virginia	572	175,427	307	391	113,618	291
North Carolina	2,891	3,817,065	1,320	1,841	3,296,552	1,791
South Carolina	316	405,922	1,285	225	416,931	1,853
Georgia	1,574	4,748,281	3,017	1,147	4,784,437	4,171
Florida	95	325,872	3,430	63	259,046	4,112
<b>SOUTH ATLANTIC</b>	<b>7,580</b>	<b>11,492,136</b>	<b>1,516</b>	<b>5,386</b>	<b>10,740,595</b>	<b>1,994</b>
Kentucky	1,912	496,688	260	1,175	317,011	270
Tennessee	648	400,403	618	472	430,016	911
Alabama	590	1,406,282	2,384	565	1,784,039	3,158
Mississippi	600	1,287,912	2,147	428	1,557,938	3,640
Arkansas	1,093	1,335,255	1,222	884	1,434,037	1,622
Louisiana	149	324,359	2,177	101	260,126	2,576
Oklahoma	775	212,324	274	663	229,252	346
Texas	299	551,593	1,845	182	371,725	2,042
<b>SOUTH CENTRAL</b>	<b>6,066</b>	<b>6,014,816</b>	<b>992</b>	<b>4,470</b>	<b>6,384,144</b>	<b>1,428</b>
Montana	106	75,619	713	78	63,125	809
Idaho	114	85,585	751	120	82,418	687
Wyoming	20	4,798	240	14	4,176	298
Colorado	201	62,002	308	148	57,491	388
New Mexico	2	540	270	---	-----	---
Arizona	13	22,961	1,766	8	26,588	3,324
Utah	66	95,401	1,445	44	73,684	1,675
Washington	241	461,260	1,914	191	476,431	2,494
Oregon	520	509,789	980	337	406,453	1,206
California	140	615,981	4,400	106	543,698	5,129
<b>WESTERN</b>	<b>1,423</b>	<b>1,933,936</b>	<b>1,359</b>	<b>1,046</b>	<b>1,734,064</b>	<b>1,658</b>
<b>UNITED STATES</b>	<b>50,333</b>	<b>39,936,492</b>	<b>793</b>	<b>36,838</b>	<b>36,100,789</b>	<b>980</b>

Table 3 - Summary of Hatchery Participation in the National Poultry Improvement Plan,  
1954-55 to 1959-60, inclusive

	1954-55	1955-56	1956-57	1957-58	1958-59	1959-60
Number Hatcheries	3,443	3,157	2,991	2,726	2,717	2,280
Hatching Egg Capacity	369,232,160	369,239,267	383,805,716	388,651,454	401,639,041	375,589,704
Percent Increase or Decrease	No. Cap.	-7.50 +1.29	-8.31 +.002	-5.26 +3.94	-8.85 +1.3	-.33 +3.34
Av. cap. per hatchery		107,241	116,958	128,320	142,572	147,824
A. M. S. Hatchery Estimate	No. Cap.			5,045 528,563,000		4,257 530,057,000
Percent of A. M. S. Estimate Participating	No. Cap.			59.3 72.6		63.8 75.8
U. S. Approved and Certified	No. Cap. Per.	1/ 3,117 340,144,729 92.12	1/ 2,886 343,661,163 93.07	1/ 2,702 353,920,728 92.2	1/ 2,451 355,969,094 91.6	1/ 2,360 368,530,358 91.8
Pullorum Classes Only (no breeding stage)	No. Cap. Per.	2/ 326 29,087,431 7.88	2/ 271 25,578,104 6.93	2/ 289 29,884,988 7.8	2/ 275 32,682,360 8.4	2/ 357 33,108,683 8.2
U. S. Pullorum-Typhoid Passed	No. Cap. Per.	3/ 1,060 109,454,970 29.64	3/ 639 67,668,265 18.33	3/ 401 51,145,814 13.3	3/ 294 41,533,422 10.7	3/ 227 31,160,402 7.8
U. S. Pullorum-Typhoid Clean	No. Cap. Per.	4/ 2,383 259,777,190 70.36	4/ 2,518 301,571,002 81.67	4/ 2,590 332,659,902 86.7	4/ 2,432 347,118,032 89.3	4/ 2,490 370,478,639 92.2
1/ Produced U. S. Approved and/or U. S. Certified chicks.				3/ Produced U. S. Pullorum-Typhoid Passed chicks.		
2/ Produced no U. S. Approved or U. S. Certified chicks.				4/ Produced U. S. Pullorum-Typhoid Clean chicks.		

Table 4 - Summary of Flock Participation in the National Poultry Improvement Plan,  
1954-55 to 1959-60, inclusive

	1954-55	1955-56	1956-57	1957-58	1958-59	1959-60
Number Flocks	79,631	68,811	67,457	51,207	50,333	36,838
Number Birds	37,053,120	34,850,004	39,171,386	35,879,800	39,936,492	36,100,789
Percent Increase or Decrease	Flocks Birds	-5.05 +2.85	-13.59 -5.95	-1.97 +12.4	-24.1 -8.4	-1.7 +11.3
Av. No. Birds per Flock		465	506	581	701	793
U. S. Approved	Flocks Birds Per.	72,751 31,658,639 85.44	63,621 29,898,127 85.79	63,905 34,655,745 88.47	48,335 31,169,722 87.0	47,436 35,421,250 88.7
U. S. Certified	Flocks Birds Per.	5,161 2,527,017 6.82	3,638 1,854,056 5.32	2,483 1,280,651 3.27	1,213 1,004,485 3.0	1,098 956,931 2.4
Pullorum Classes Only (no breeding stage)	Flocks Birds Per.	1,719 2,867,464 7.74	1,552 3,097,821 8.89	1,069 3,234,990 8.26	1,659 3,705,593 10.0	1,799 3,558,311 8.9
U. S. Pullorum-Typhoid Passed	Flocks Birds Per.	23,002 7,247,772 19.56	10,155 3,576,303 10.26	4,755 1,816,697 4.64	3,208 1,713,392 5.0	2,727 1,758,961 4.4
U. S. Pullorum-Typhoid Clean	Flocks Birds Per.	56,629 29,805,348 80.44	58,656 31,273,701 89.74	62,702 37,354,689 95.36	47,999 34,166,408 95.0	47,606 38,177,531 95.6
FIRST TEST	No. Flocks No. Birds No. Reactors Percent Reactors	81,444 39,288,860 40,316 .10	70,468 36,112,781 25,529 .07	67,941 40,614,440 18,369 .045	52,516 36,756,760 11,423 .03	50,832 40,716,266 9,920 .024
						37,857 37,030,568 6,812 .018